makeproject

The makeproject script (found here) will generate C++ and Java projects that embed EUROPA, along with simple NDDL model and initial-state files that you can then modify for your own purposes.

makeproject takes as arguments the name of the new project and optionally, the parent directory for the new project. If you don't specify the parent directory, the new project will be created as a sibling to $PLASMA_HOME.

For instance, to create a project called MyProject under your home directory you would do :

```
% cd $PLASMA_HOME/bin
% ./makeproject MyProject ~
```

This will create the following files :

File	Description
<project>-model.nddl	NDDL model file, you will want to replace the contents with your own NDDL model
<project>-initial-state.nddl	NDDL initial state file, you will want to replace the contents with your own NDDL initial state
<project>-Main.cc	Main C++ program that embeds EUROPA and will load your model, the initial state and will run the planner in batch mode
java/<project>/Main.java	Main Java program that embeds EUROPA and will load your model, the initial state and will allow you to run the planner interactively
<project>.bsh	BeanShell script that will be executed by the Java main program
PlannerConfig.xml	Solver configuration file
Debug.cfg	Logging configuration file
NDDL.cfg	NDDL parser configuration file
PlanWorks.cfg	PlanWorks output configuration file
Jamfile, Jamrules	Build files for C++ project
build.xml, build.properties	Build files for Java project

To run the Java project :

```
% cd ~/MyProject
% ant
```

To run the C++ project :

```
% cd ~/MyProject
% jam

# Look at the results from the planner:
% more RUN_MyProject-planner_g_rt.MyProject-initial-state.xml.PlannerConfig.xml.output
```

You can run an optimized version by using the -sVARIANTS=OPTIMIZED option for jam, or specify any of the other build options described here.